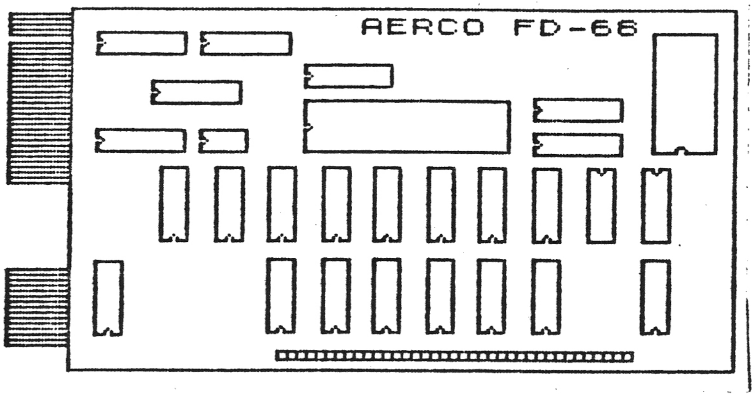
JANUARY-1986 VOL.1 ISSUE 1

THE FD-68 USER



*** Editorial ***

Welcome to the first installment of The FD-68 User newsletter. The purpose of this user's group is to share information and ideas on the T/S 2068 and the AERCO FD-68 disc system.

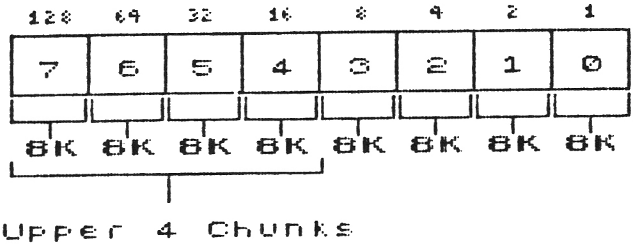
This will be a different kind of group, in that we don't meet as a group. Response from the ad has shown no concentration of FD-68 users in any one area. This newsletter will be our meeting place. The limited scope of this first issue is due to the fact that it's a solo effort. The quality and quantity of further issues will depend on the amount of input I receive from you. Any ideas, comments, questions or contributions are welcome. I'm confident that this user's group, with its exchange of ideas, will lead to a greater understanding of the T/S 2068, and the FD-68 with its added memory, through software and hardware.

Chunk Enable - OUT 244,(0-255)

The FD-68 system with its 64K, reside in the Dock Bank of the computer. With the .LRO extension not yet implemented, we must limit our use of the extra memory to the upper 32768 bytes. To enable an 8K chunk(s), use OUT 244,(0-255). Be careful of the number you "OUT". The computer will lockup if you enable any of the lower 4 chunks (0-3). If you were to OUT 244,128, you would be enabling chunk 7 of the Dock Bank in preference over the same chunk in the Home bank.

Chunk Boundries 4-7

Chunk 4= 32768-40959
Chunk 5= 40960-49151
Chunk 6= 49152-57343
Chunk 7= 57344-65535



To determine what number to OUT, look at the chart above. To enable a chunk(s) use the somall size numbers above the chunk blocks. To enable chunk 5, OUT,244,32. To enable chunk 5 & 6, add 32 (chunk 5) + 64 (chunk 6)= 96. Then OUT 244,96.

Try This in the Immediate mode.

OUT 244,0	Enable all of Home Bank
POKE 60000,65	Put 65 at address 60000 in Home Bank
OUT 244,128	Enable Chunk 7 of the Dock Bank
POKE 60000,255	Put 255 at address 60000 in Dock Bank

You have now entered, at address 60000 in Home Bank-65.
60000 in Dock Bank-255.

To verify this:

OUT 244,0	Enable Home Bank
PRINT PEEK 60000	Returns a value of 65
OUT 244,128	Enable Chunk 7 of th Dock Bank
PRINT PEEK 60000	Returns a value of 255

While on the subject of OUT command, I accidently did an OUT 144,1. This caused my 2040 printer to advance one pixel line. After trying different combinations I came up with this.

```
10 FOR a=1 TO 12
20 OUT 144,1
30 PAUSE 2
40 NEXT a
```

Without the PAUSE statement the printer will only advance one line. The PAUSE is needed to slow down the program so the printer can keep up. This will (as close as I can tell) advance the paper the same amount as an LPRINT statement. As far a practical application for this, well that's up to you.

"OUT" REVISITED

Just one last bit before signing off. When you use the OUT 244,(0-255) command, you are writing to a port. Sort of like POKEing an address. PRINT IN 244, will return the value last written to that port, in the same way as PRINT PEEK returns the value last written to that address. Since we use port 244 to enable the different chunks of memory in the Dock bank, we can use IN 244 in a conditional statement to determine which chunks have been enabled and proceed accordingly.

Well that does it for this time around. Even if you didn't learn a thing from it, maybe it sparked an idea from which great things will come. The information contained herein is accurate to best of my knowlege. If you spot some errors please let me know. Mistakes make great teachers (if you learn from them).

This newsletter was written using Tasword II, Artworx, and an Epson LX-80 printer. After writing this newsletter, as short as it is, I no longer take for granted the other publications out there. Not being a writer, this newletter took longer to prepare than I first realized. I appreciate your patience in waiting for this first installment.

I'm tentatively planning on 4 issues per year. If the volume of articles and such are sufficient, maybe more often. Right now it's a wait and see proposition.

Please send any questions, ideas, comments, answers, contributions etc. to:

The FD-68 User
David A. Hill
1159 South Shore Drive #12
Holland, MI 49423

Have a question or idea that can't wait? I'd be glad to talk with any of you on the phone, verbally or with a modem. Call after 5.00 P.M. (616) 335-8726.